

PRIOR ART

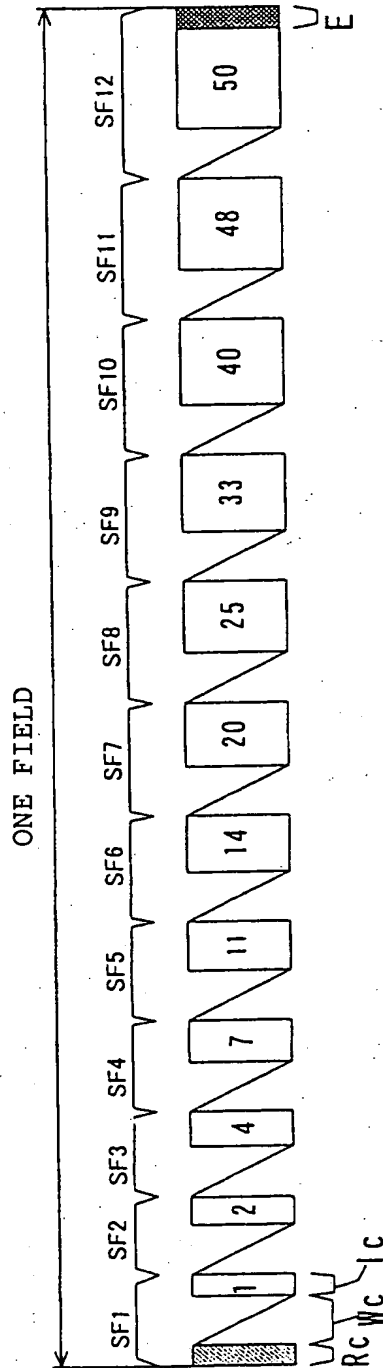


FIG. 1

GRADATION LEVELS

- : SELECTED LIGHT-EXTINCTION DISCHARGE
- : LIGHT EMITTING SUBFIELD

CONVERSION TABLE														LIGHT EMISSION DRIVING PATTERN												DISPLAY LUMINANCE
GD														SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF		
PDs	1	2	3	4	5	6	7	8	9	10	11	12														
1	0000	1	0	0	0	0	0	0	0	0	0	0	0	●												0
2	0001	0	1	0	0	0	0	0	0	0	0	0	0	○	●											1
3	0010	0	0	1	0	0	0	0	0	0	0	0	0	○	○	●										3
4	0011	0	0	0	1	0	0	0	0	0	0	0	0	○	○	○	●									7
5	0100	0	0	0	0	1	0	0	0	0	0	0	0	○	○	○	○	●								14
6	0101	0	0	0	0	0	1	0	0	0	0	0	0	○	○	○	○	○	●							25
7	0110	0	0	0	0	0	0	1	0	0	0	0	0	○	○	○	○	○	○	●						39
8	0111	0	0	0	0	0	0	0	1	0	0	0	0	○	○	○	○	○	○	○	●					59
9	1000	0	0	0	0	0	0	0	0	1	0	0	0	○	○	○	○	○	○	○	○	●				84
10	1001	0	0	0	0	0	0	0	0	0	1	0	0	○	○	○	○	○	○	○	○	○	○	●		117
11	1010	0	0	0	0	0	0	0	0	0	0	1	0	○	○	○	○	○	○	○	○	○	○	○	○	157
12	1011	0	0	0	0	0	0	0	0	0	0	0	1	○	○	○	○	○	○	○	○	○	○	○	○	205
13	1100	0	0	0	0	0	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	○	○	○	○	255

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Filing
Darryl
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PRIOR ART FIG. 2

PRIOR ART

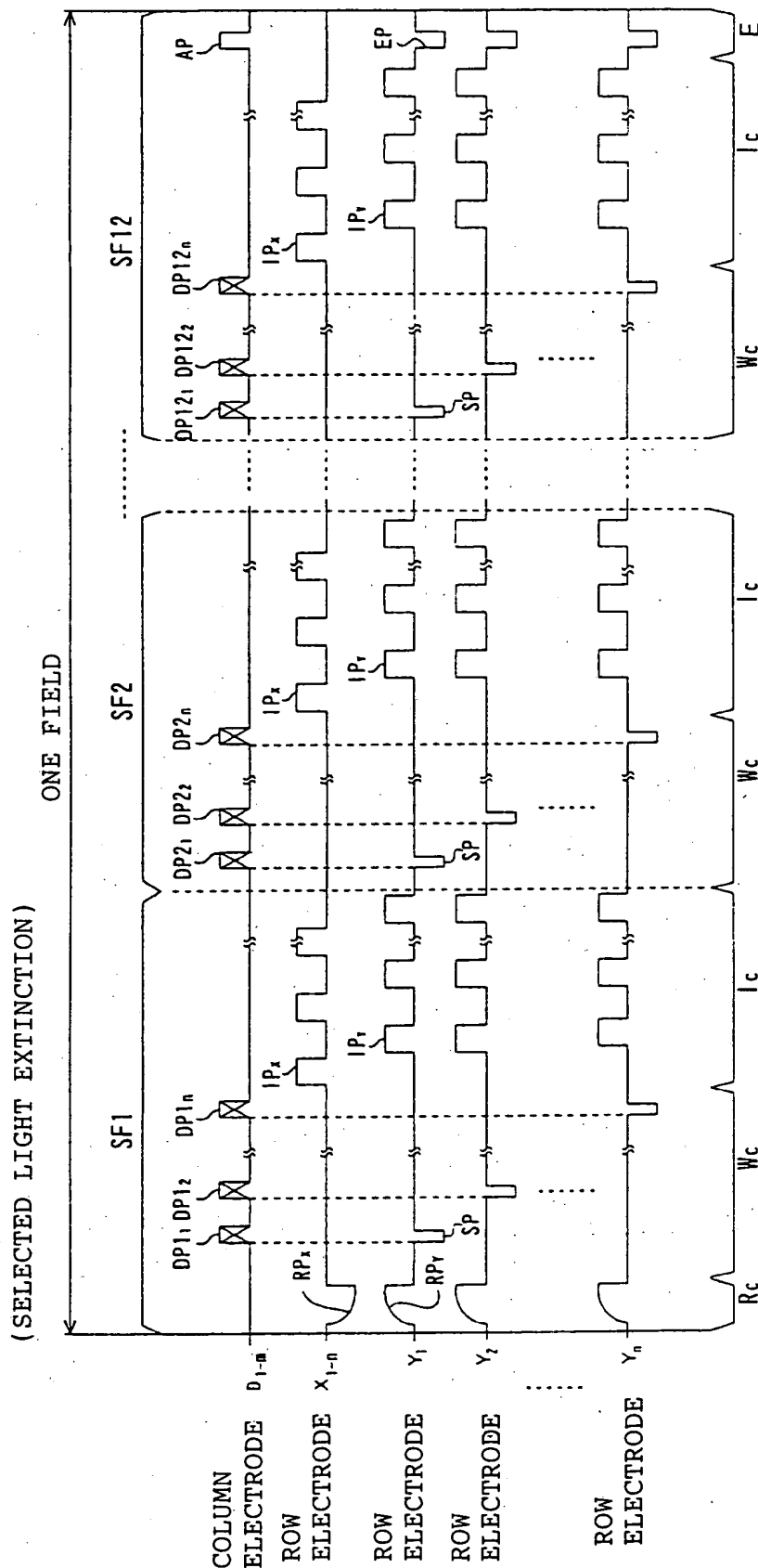


FIG. 3

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PRIOR ART

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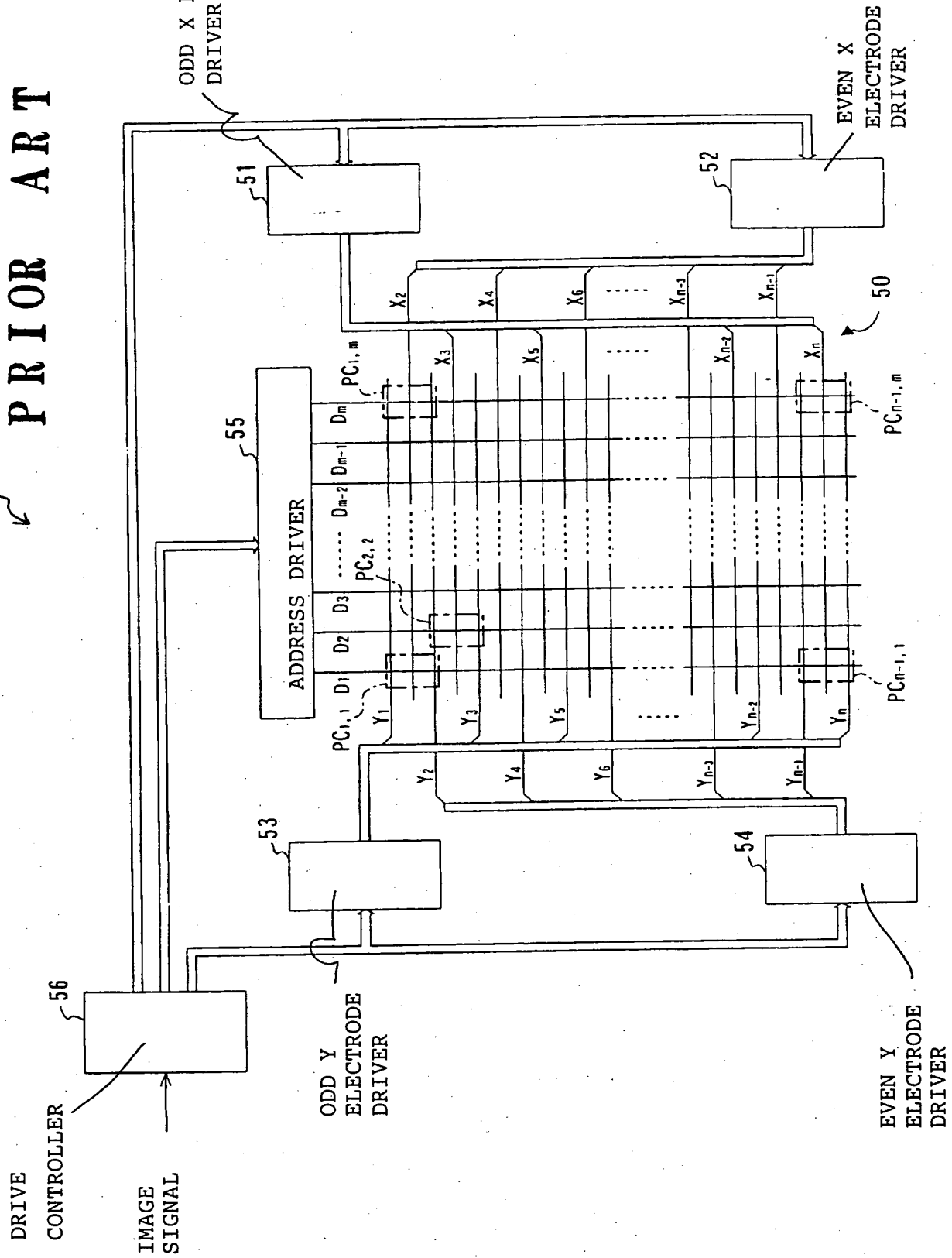
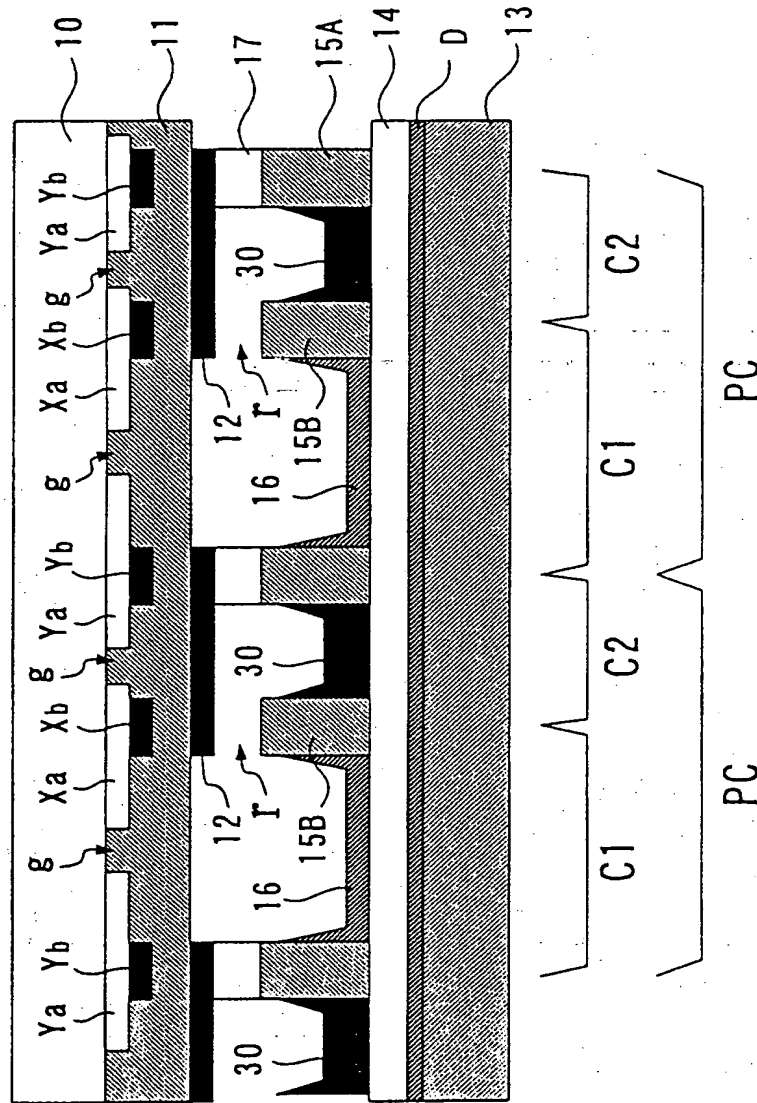


FIG. 4

FIG. 5 is a detailed cross-sectional view of a portion of the semiconductor device, showing the arrangement of the first and second conductive layers (12) and the first and second insulating layers (15A, 15B). The diagram illustrates the periodic structure of the device, with labels indicating various components and dimensions.

FIG. 6



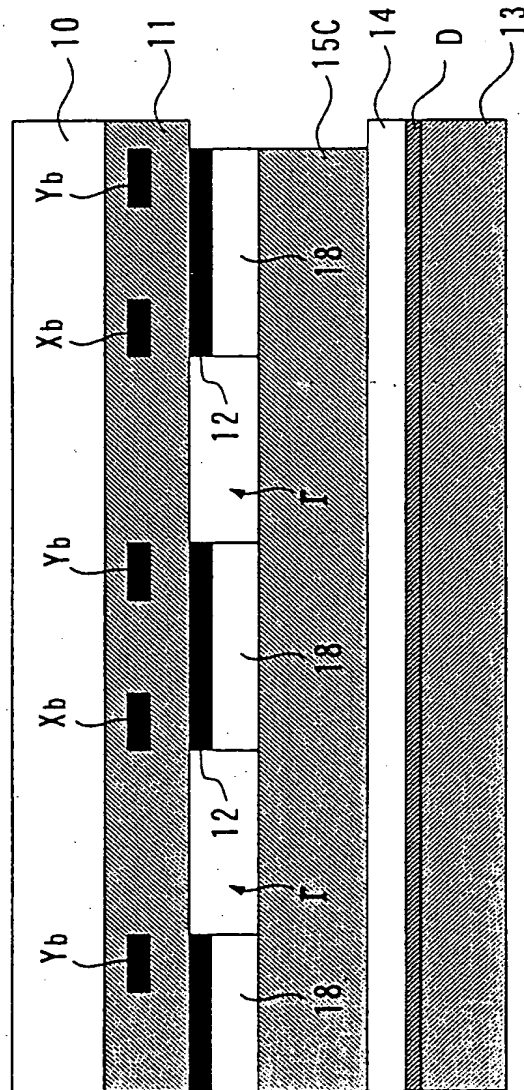


FIG. 7



FIG. 9

	CONVERSION TABLE															LIGHT EMITTING PATTERN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	PDS	CD															SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF

*: 0 OR 1
 ⊙: WRITE ADDRESS DISCHARGE
 ●: EXTINCTION ADDRESS DISCHARGE
 ○: SUSTAINING DISCHARGE

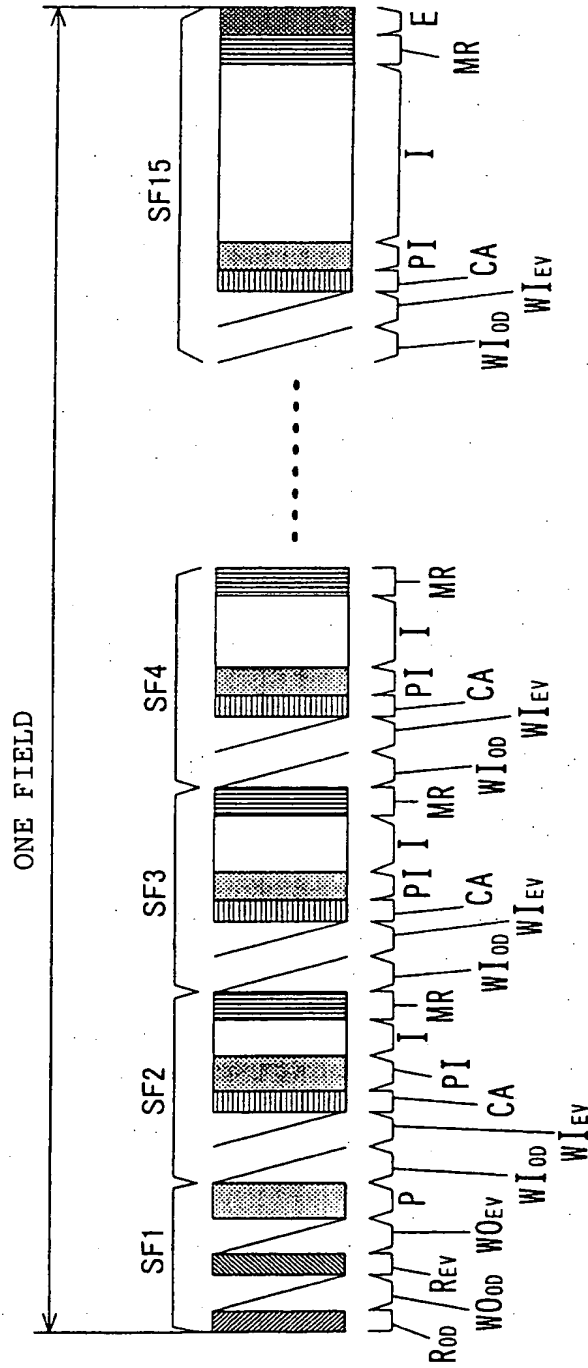


FIG. 10

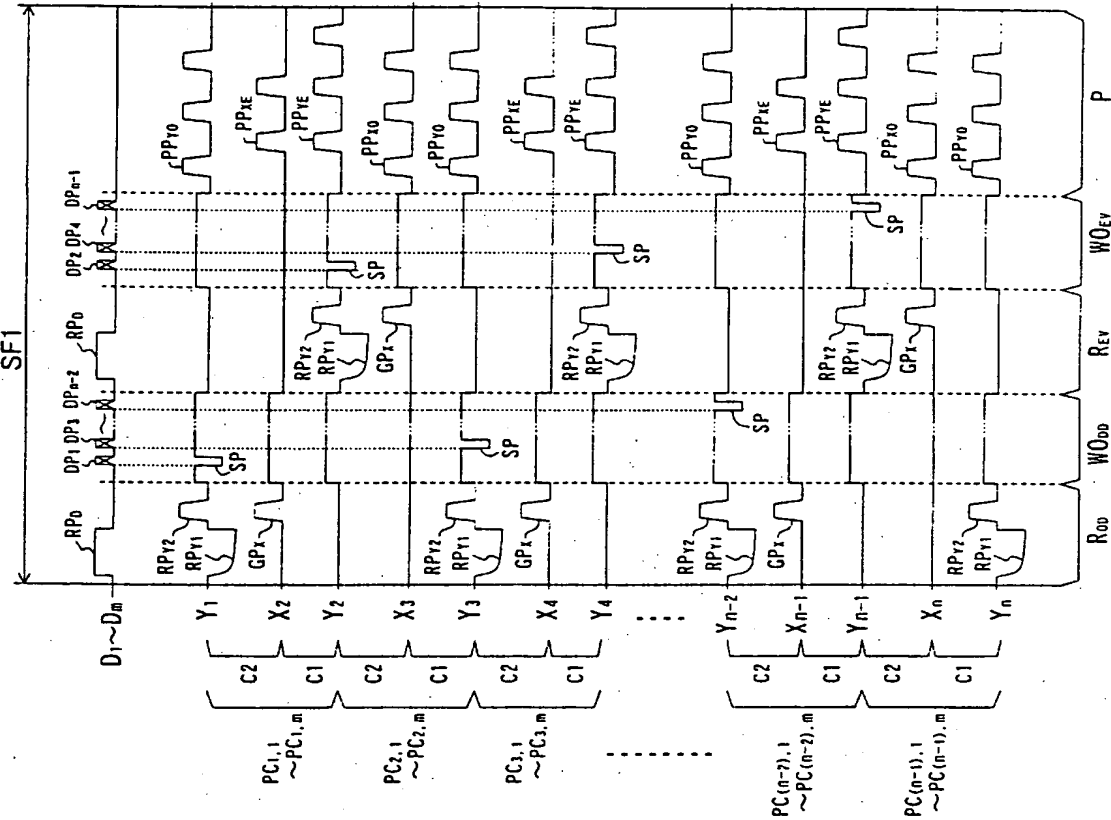


FIG. 11

FIG. 12

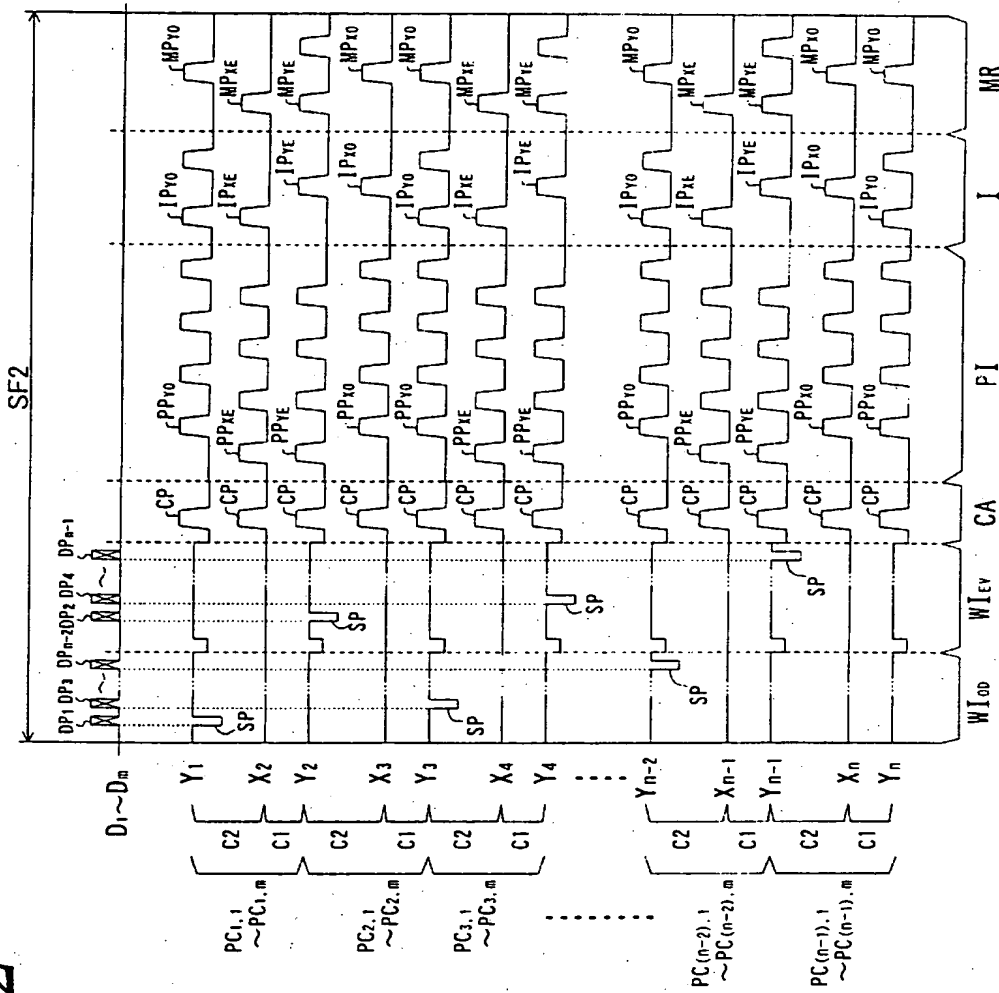


FIG. 13

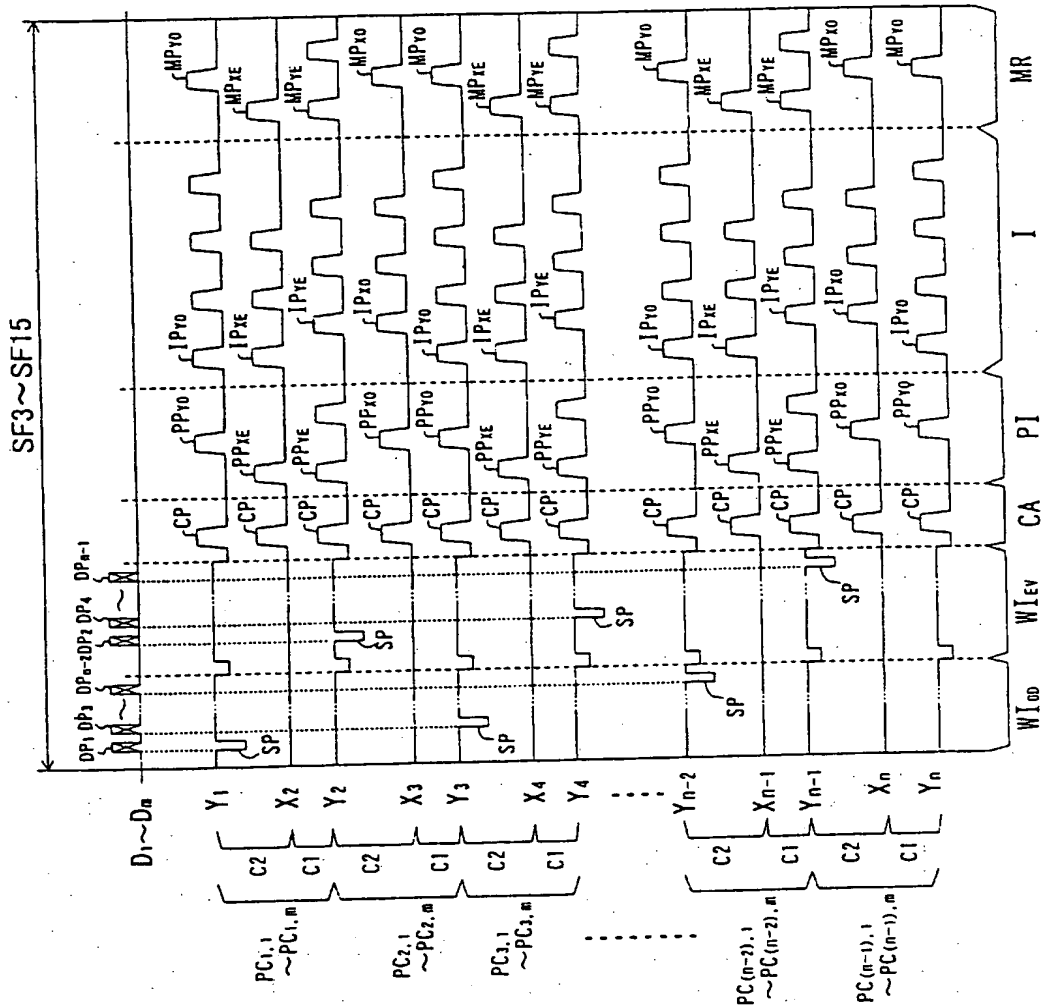
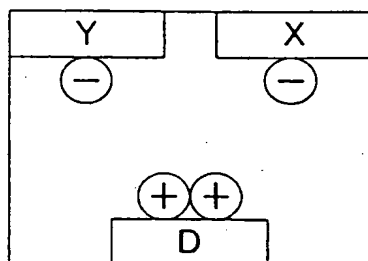
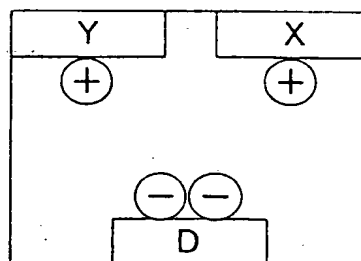


FIG. 14

(a)



(b)